

S/N 10/615,202



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jiang Ding et al. Examiner: George R. Evanisko
Serial No.: 10/615,202 Group Art Unit: 3762
Filed: July 07, 2003 Docket: 279.090US7
Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

09/02/2004 331711B1 00000048 10615202
01 FC:1806 180.00 0P

INFORMATION DISCLOSURE STATEMENT

Serial No :10/615,202

Filing Date: July 07, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

Page 2
Dkt: 279.090US7

The present application is a U.S. national patent application filed after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

JIANG DING ET AL.

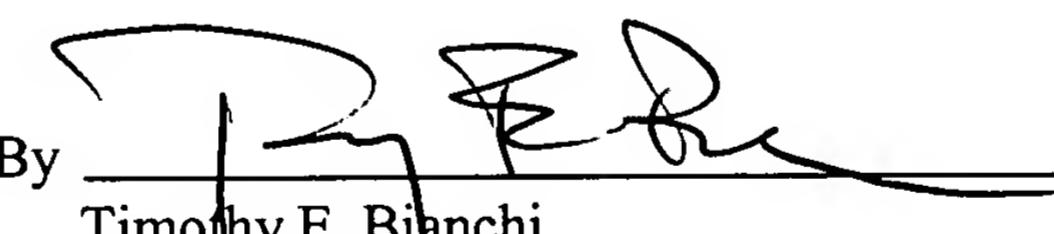
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6912

Date

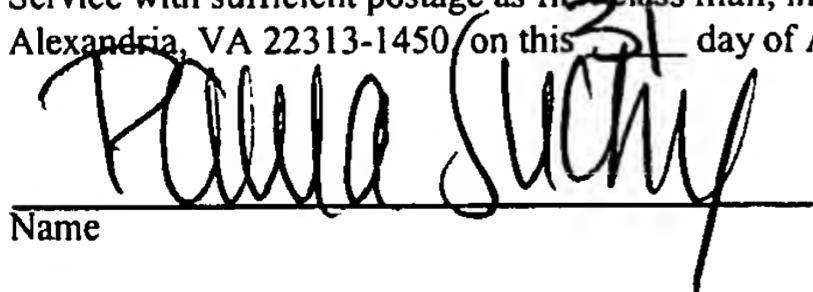
Aug 31, 2004

By

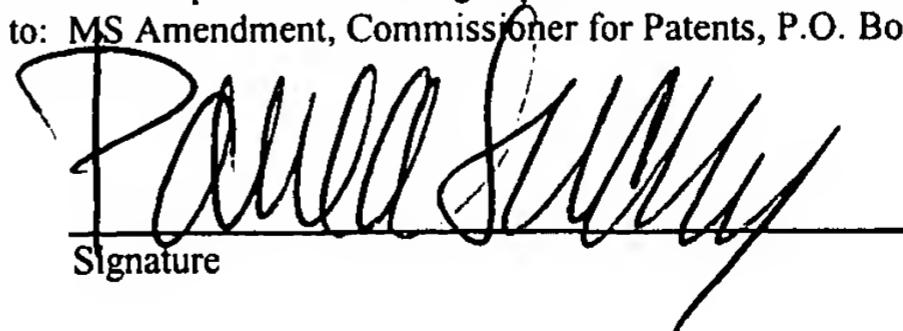

Timothy E. Bianchi
Reg. No. 39,610

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 31 day of August, 2004.

Name



Signature



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Sheet 1 of 2

Complete if Known

Application Number	10/615,202
Filing Date	July 7, 2003
First Named Inventor	Ding, Jiang
Group Art Unit	3762
Examiner Name	Evanisko, George

Attorney Docket No: 279.090US7

US PATENT DOCUMENTS

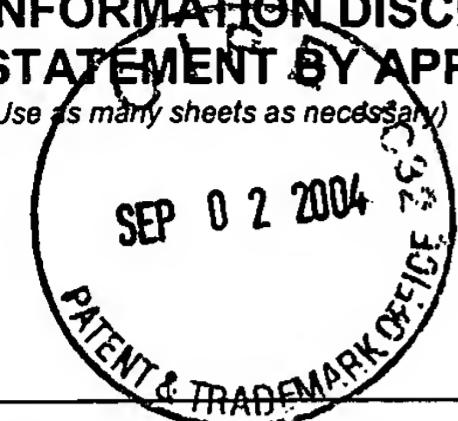
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2001/0047194 A1	11/29/2001	Thompson, D. L., et al.	607	59	04/04/2001
	US-2002/0123769 A1	09/05/2002	Panken, E. J., et al.	607	9	12/14/2000
	US-2002/0183795 A1	12/05/2002	Rouw, M. , et al.	607	9	04/30/2001
	US-2003/00,7158 A1	05/22/2003	Belalcazar, Hugo A.	607	32	11/16/2001
	US-2003/0105496 A1	06/05/2003	Yu, Y. , et al.	607	17	12/05/2001
	US-2003/0144702 A1	07/31/2003	Yu, Y. , et al.	607	17	12/09/2002
	US-2003/0144703 A1	07/31/2003	Yu, Y. , et al.	607	17	12/09/2002
	US-2004/0019365 A1	01/29/2004	Ding, J. , et al.	607	17	07/26/2002
	US-2004/0078059 A1	04/22/2004	Ding, J. , et al.	607	25	07/07/2003
	US-4,401,119	08/30/1983	Herpers, L.	607	9	02/17/1981
	US-4,432,362	02/21/1984	Leckrone, M. E., et al.	607	9	03/08/1982
	US-5,372,607	12/13/1994	Stone, K. A., et al.	607	30	06/23/1993
	US-5,628,777	05/13/1997	Moberg, S. B., et al.	607	122	07/14/1993
	US-6,351,673	02/26/2002	Ding, J. , et al.	607	24	09/14/2000
	US-6,360,127	03/19/2002	Ding, J. , et al.	607	23	01/20/2000
	US-6,430,439	08/06/2002	Wentkowski, Rene H., et al.	607	9	12/26/2000
	US-6,438,421	08/20/2002	Stahmann, J. E., et al.	607	9	12/26/2000
	US-6,480,742	11/12/2002	Stahmann, Jeffrey E., et al.	607	27	12/26/2000

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)



Sheet 2 of 2

Complete if Known

Application Number	10/615,202
Filing Date	July 7, 2003
First Named Inventor	Ding, Jiang
Group Art Unit	3762
Examiner Name	Evanisko, George

Attorney Docket No: 279.090US7

	US-6,512,952	01/28/2003	Stahmann, Jeffrey E., et al.	607	9	12/26/2000
	US-6,522,921	02/18/2003	Stahmann, Jeffrey E., et al.	607	9	12/26/2000
	US-6,542,775	04/01/2003	Ding, J. , et al.	607	24	12/07/2001
	US-6,553,258	04/22/2003	Stahmann, J. E., et al.	607	9	12/26/2000
	US-6,597,951	07/22/2003	Kramer, Andrew , et al.	607	9	11/27/2001
	US-6,684,103	01/27/2004	Ding, J. , et al.	607	23	09/13/2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	EP-0970721A2	01/12/2000	Stone, K. A., et al.	A61N	1/37	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DING, J. , et al., "Method and Apparatus for Setting Pacing Parameters in Cardiac Resynchronization Therapy", Application Serial No. 10/352,780, filed January 28, 2003 Attorney Docket No. 279.457US1, 34 pages	
		KRAMER, ANDREW P., et al., "Automatic Selection From Multiple Cardiac Optimization Protocols", Application Serial No. 10/624,458, filed July 21, 2003 Attorney Docket No. 279.340US3, 49 pages	
		RITTER, P. , et al., "A Built-In System Based on the Peak Endocardial Acceleration (PEA) for AV-Delay Optimization in DDDR Pacing", Pace -- Pacing and Clinical Electrophysiology, No. 5, Futura Publishing Company, Inc.,(May 1997),1567	

EXAMINER**DATE CONSIDERED**



S/N 10/615,202

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jiang Ding et al.

Examiner: George R. Evanisko

Serial No.: 10/615,202

Group Art Unit: 3762

Filed: July 7, 2003

Docket: 279.090US7

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

COMMUNICATION CONCERNING RELATED APPLICATIONS

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/075278 6144880	May 8, 1998	279.090US1	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
09/492911 6360127	January 20, 2000	279.090US2	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
09/661608 6351673	September 14, 2000	279.090US3	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
10/008830 6542775	December 7, 2001	279.090US4	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
10/206131 2004/0019365 A1	July 26, 2002	279.423US1	AN IMPLANTABLE CARDIAC FUNCTION AND RHYTHM MANAGEMENT SYSTEM THAT OPTIMIZES CARDIAC PUMPING PERFORMANCE WHILE MAINTAINING PROPER HEART RATE

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/615,202

Filing Date: July 7, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

Page 2

Dkt: 279.090US7

09/995255 6597951	November 27, 2001	279.340US2	AUTOMATIC SELECTION FROM MULTIPLE CARDIAC OPTIMIZATION PROTOCOLS
10/352780	January 28, 2003	279.457US1	METHOD AND APPARATUS FOR SETTING PACING PARAMETERS IN CARDIAC RESYNCHRONIZATION THERAPY
10/314910 2003/0144703 A1	December 9, 2002	279.558US1	METHOD AND APPARATUS FOR OPTIMIZING VENTRICULAR SYNCHRONY DURING DDD RESYNCHRONIZATION THERAPY USING ADJUSTABLE ATRIO- VENTRICULAR DELAYS
10/314899 2003/0144702 A1	December 9, 2002	279.559US1	METHOD AND APPARATUS FOR OPTIMIZING STROKE VOLUME DURING DDD RESYNCHRONIZATION THERAPY USING ADJUSTABLE ATRIO- VENTRICULAR DELAYS
10/243811 6684103	September 13, 2002	279.090US5	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS
10/615201 20040078059 A1	July 7, 2003	279.090US6	CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/615,202

Filing Date: July 7, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

Page 3

Dkt: 279.090US7

10/624458

July 21,
2003

279.340US3

AUTOMATIC SELECTION FROM MULTIPLE CARDIAC OPTIMIZATION PROTOCOLS

Respectfully submitted,

JIANG DING ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6912

Date

Aug 31, 2004

By

Timothy E. Bianchi
Reg. No. 39,610

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31 day of August, 2004.

Name _____

Signature